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changes in the electrical polarization of the membranes; and it seems probable that these variations in electrical polarization are more directly responsible for the characteristic special effects produced by stimulation—such as increased oxidation, contraction, and the other forms of response which vary from cell to cell.

RALPH S. LILLIE

UNIVERSITY OF PENNSYLVANIA

THE SOUTHERN SOCIETY FOR PHILOSOPHY AND PSYCHOLOGY

THE eighth annual meeting of the Southern Society for Philosophy and Psychology was held at the Johns Hopkins University, Baltimore, on Tuesday and Wednesday, April 8 and 9, 1913. Three sessions were held: one on Tuesday afternoon, one on Tuesday evening and one on Wednesday forenoon. On Tuesday afternoon at 5 o'clock the members of the society were invited to attend the university lectures on "Bergson's Doctrine of Time" given by Professor A. O. Lovejoy in the Donovan Room of McCoy Hall. The sessions were held in the lecture room of the biological laboratory, President R. M. Ogden presiding. The president's address, entitled "The Relation of Psychology to Philosophy and Education," was given at the session on Tuesday evening. Preceding this address, the local members of the society entertained the visiting members at a dinner at the Johns Hopkins Club, and after the address they entertained them at a smoker in the rooms of Professor Lovejoy. The following items were passed upon at the business meeting, which was held on Wednesday morning:

1. It was decided to hold the next meeting at Atlanta, Georgia, during the recess of the Christmas holidays, in conjunction with the meetings of the American Association for the Advancement of Science.

2. The following officers were elected for the year 1913: *President*, H. J. Pearce, Brenau College; *Vice-president*, A. O. Lovejoy, Johns Hopkins University; *Secretary-Treasurer*, W. C. Ruediger, The George Washington University; *Council for three years*, Bird T. Baldwin, Swarthmore College, and Josiah Morse, University of South Carolina.

3. The following were elected to membership: Professor W. H. Chase, University of North Carolina; Professor L. R. Geissler, University of

Georgia; Miss H. B. Hubbard, Baltimore; Miss E. D. Keller, Baltimore; Dr. Frank A. Manny, Baltimore Training School; Professor Mark A. May, Murphy College; Father Thomas V. Moore, Catholic University of America; Mrs. Jacob Taubenhause, Newark, Delaware; Mr. Jacob Ulrich, Baltimore; Professor H. H. Williams, University of North Carolina.

4. The accounts of the treasurer were audited by a committee of the council and showed a balance on hand, April 9, 1913, of \$68.70.

5. Votes of thanks were extended to the authorities of the Johns Hopkins University for the use of the lecture room of the biological laboratory and to the local members for the dinner and the smoker.

W. C. RUEDIGER,
Secretary-Treasurer

THE GEORGE WASHINGTON UNIVERSITY,
WASHINGTON, D. C.

THE ZOOLOGICAL SECTION OF THE MICHIGAN ACADEMY OF SCIENCE

THE nineteenth annual meeting of the Zoological Section met in the zoological lecture room of the University of Michigan at 9 A.M. and 1:30 P.M. on April 3, with Vice-president Peter Okkelberg in the chair. The meetings were well attended and the following program was read. Dr. Bertram G. Smith, of the Ypsilanti State Normal College, was elected vice-president and chairman of the Zoological Section for the coming year. Hereafter the meetings will be held on the Friday and Saturday after Thanksgiving.

"Factors Governing Local Distribution of the Thysanoptera," A. F. Shull.

"Results of the Mershon Expedition to the Charity Islands, Lake Huron Coleoptera," A. W. Andrews.

"Types of Learning in Animals," J. F. Shepard.

"The Lepidoptera of the Douglas Lake Region, Cheboygan County, Michigan," Paul S. Welch.

"Check-list of Michigan Lepidoptera. II. Sphingidæ (Hawk-moths)," W. W. Newcomb.

"On the Breeding Habits of the Log-perch," Jacob Reighard.

"A List of the Fish of Douglas Lake, Cheboygan County, Mich., with notes on their Ecological Relations," Jacob Reighard.

"May the Remains of Adult Lepidoptera be Identified in the Stomach Contents of Birds?" F. C. Gates.

- "The Mitochondria," R. W. Hegner.
- "The Unione Fauna of the Great Lakes," Bryant Walker.
- "An Adult *Diemyctylus* with Bifurcated Tail," B. G. Smith.
- "Notes on the Mollusks of Kalamazoo County, Mich.," Harold Cummins.
- "Sarcoptid Mites in the Cat," Harold Cummins.
- "The Origin of Continental Forms, III.," Howard Baker.
- "An Ecological Study of the Birds of Manchester, Mich.," F. Gaige.
- "Notes on Crustacea Recently Acquired by the Museum of Natural History of the University of Michigan," A. S. Pearse.
- "Distribution of Multiple Embryos on the Blastoderm," O. C. Glaser.
- "Nesting of Our Wild Birds," Jefferson Butler.
- "The Factors that Determine the Distribution of *Boleosoma nigrum* in Douglas Lake, Cheboygan County, Mich.," H. V. Heimbürger.
- "Pedogenesis in *Miastor americana* Felt.," R. W. Hegner.
- "The Seminiferous Tubules in Mammals," G. M. Curtis.
- "A Method of Producing Cell-like Structures by Artificial Means," E. W. Roberts.
- "Some Notes on Rhizopods from Michigan," E. W. Roberts.
- "Oxygen and Carbonic Acid Contents of Douglas Lake, Cheboygan County, Mich.," D. A. Tucker.
- "Some Observations on *Asplanchna amphora*," D. A. Tucker.
- "Some Abnormalities Observed in Proteocephalid Cestodes," G. LaRue.
- "Some Observations on Intestinal Villi," O. M. Cope.
- "Some Physiological Changes in the Lamprey Egg after Fertilization," P. Okkelberg.
- "A Collection of Fish from Houghton County, Mich.," T. L. Hankinson.
- "The Lagoons and Ponds of Douglas Lake, Cheboygan County, Mich.," H. B. Baker.
- "The Shiras Expeditions to Whitefish Point, Mich." (1) "Birds," N. A. Wood. (2) "Mammals," N. A. Wood. (3) "Amphibians and Reptiles," Crystal Thompson and Helen Thompson.
- "Notes on the Ornithology of Clay and Palo Alto Counties, Iowa," A. D. Tinker.
- "A Check-list of Michigan Mammals," N. A. Wood.

"The Variations in the Number of Vertebrae and Ventral Scutes in the Genus *Regina*," Crystal Thompson.

"An Artificially Produced Increase in the Proportion of Male Producers in *Hydatina senta*," A. F. Shull.

R. W. HEGNER,
Secretary

SOCIETIES AND ACADEMIES

THE NEW YORK ACADEMY OF SCIENCES

THE Section of Anthropology and Psychology met in conjunction with the New York Branch of the American Psychological Association on April 28, when the following program was presented:

Afternoon Session, at 4:10 P.M.

Mr. A. E. Rejall: "Binet Tests in Schools for Incurables in New York City."

Mr. G. F. Williamson: "Some Individual Differences in Immediate Memory Span."

Miss Mabel Barret: "The Order of Merit Method and the Method of Paired Comparisons."

Dr. E. K. Strong: "Effect of Size and Frequency on Permanence of Impression."

Dinner at the Faculty Club of Columbia University, 6:00 P.M.

Evening Session, at 8:00 P.M.

Dr. Clara Jean Weidensall: "A Comparison of the Records of the Criminal Woman and the Working Child in a Series of Mental Tests."

Professor J. McK. Cattell: "Families of American Men of Science."

Dr. A. T. Poffenberger: "The Influence of Strychnine on Mental and Motor Efficiency."

PHILOSOPHICAL SOCIETY, UNIVERSITY OF VIRGINIA MATHEMATICAL AND SCIENTIFIC SECTION

THE seventh meeting of the session of 1912-13 of the Mathematical and Scientific Section of the Philosophical Society was held April 22.

Mr. Justus H. Cline presented a paper by himself and Professor Thos. L. Watson, entitled "Normal Faulting in the Cambrian of Northern Virginia."

Professor Chas. Hancock presented a report on the "Plants of the Southern Power Company."

Professor J. S. Grasty read a paper, by himself and Professor Thos. L. Watson, on "Barite Deposits of the Southern States."

WM. A. KEPNER,
Secretary

UNIVERSITY OF VIRGINIA